SBRM = 34/17-18
31/7/2017

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. 1st & Final Bill

Name of Work Improvements to Road and drains at Kogilu Surroun 356201
ding area in ward no.05 Byatarayanapura Sub-division.

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	NAME OF CONTRACTOR : M/s Nischal Constructions						
	WORK ORDER : BBMP/EE/BTP/W00/54/17-18						Dt: 06/05/17
	JOB No : 005-17-000013						
	EST COST : Rs 30.00 Lakhs						
	Date of Recording : 29.5.2017						
	A.S No : AS/CE(YNK)/179/16-17						Dt: 12/01/17
	T.S No : TS/CE(YNK)/111/16-17						Dt: 12/01/17
P.No 01	Earthwork Excavation by manual means in Hard soil involving						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	an average horizontal throw upto 2metres and an average lift upto 0.5m excavated surface levelled and sides neatly dressed complete as per specification						
	Qty vide P.NO 356262/2 of TMB					180.73 Cum	
	@ Rs 83.88 - - - -					15160.00	
2nd 02	Removing B.S slab of Drain & stacking						
	Qty vide P.NO 356265/2 of TMB					1862.52 Sqm	
	@RS 63.41 - - - -					118102.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
2nd 03	Refixing stone slabs
	Qty Same as
2nd 04	Providing granite
	and fixed in cem
	Qty vide P.

Contents 7	Reference to last Measurement 8
rs and an average and rates tion	
180.73 Cum	
— —	15160.00
1862.52 Sqm	
— —	118102.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

356202

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2nd 03	Refixing stone slabs of drains and pointing in CM (1:3)						
	Qty Same as item No. 2					1862.52 Sqm	
	@ Rs 75.99 -					— — —	141533.00
2nd 04	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing Curing Etc						
	Qty vide P. No 356268/2 of Item B					328.68 Sqm	
	@ Rs 641.39 -					— — —	210812.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Bill 05	Providing and laying in position Plain Cement Concrete of mix M1:4:8 with OPC Cement @ 180 Kgs. with 40mm and down size graded granite metal Coarse aggregate as per specification Qty vide P.70 3562682 of TMB @Rs 4978.40					5.70 Cum ----	28377.00
Bill 06	Providing and constructing granite/trap/basalt dge stone masonry in foundation with Cement mortar 1:6 stone hammed dressed in courses complete as per specification Culvert H/no Chamundi Layout Annapoorneshwarinagara C1 (Ref. Sk. 31/07) (Bk. P.5)	2	6.50	0.60	0.45	3.51	
	C2	2	7.20	0.60	0.45	3.89	
						7.40	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ager
Date of commencement of work .....

Date	Full description, etc, of work
1	2
Bill 07	Providing and C masonry in ba stone chiselled dres Culvert H/no C (Ref. Sk. C

Contents 7	Reference to last Measurement 8
...n Cement Concrete	
...0 Kgs. with 40mm	
...ggregate as per Speci- -fication	
5.70	Cum
----	28377.00
...Trap / basalt Sze	
...ement mortar 1:6	
...te as per Specification	
3.51	
3.89	
7.40	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356203

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7.40 7	Reference to last Measurement 8
	C3	2	7.50	0.60	0.45	4.05	
					Total	11.45	
					Qty red to	10.53 Cum	
					@ Rs 4279.99	- - -	45068.00 Ilkhandkar 18/6/17
8/10/07	Providing and constructing granite / trap / basalt Sze stone masonry in basement with Cement mortar 1:6 Edges of Stone Chisselled dressed in courses not less than 15 cm high as per specification						
	Culvert H/no C1	2	6.50	0.50	0.45	2.93	
	C2	2	7.20	0.50	0.45	3.24	
						6.17	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 6.17	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C3	2	7.50	0.50	0.45	3.38	
					total	9.54	9.55
				Qty ltd. to		8.78	agree
				@Rs 5111.11			44876.00
							Bhadewadi 19/6/17
Invo 09.	Providing and laying in position Plain cement Concrete of mix 1:3:6 with OPC cement @ 220 kgs with 20mm and down size graded granite metal coarse aggregate as per specification						
	Culvert H/w C1	2	6.50	0.58	0.10	0.65	
	C2	2	7.20	0.58	0.10	0.72	
	C3	2	7.50	0.50	0.10	0.75	
	Vent	1	6.50	0.60	0.10	0.39	
						2.51	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
Invo 10	Providing flush point cement mortar 1:3 2 20 mm nicely Culvert H/w C1	
	C2	

pth	Contents 6.17 7	Reference to last Measurement 8
5	3.38	
al	9.54	9.55
	8.78	sqm
		424876.00
		Thandavan 19/6/17
	Cement	Concrete of
th	20mm	and down
	as per	specification
	0.65	
	0.72	
	0.75	
	0.39	
	2.51	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356204

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 2.51 7	Reference to last Measurement 8
		1	7.20	0.60	0.10	0.43	
		1	7.50	0.60	0.10	0.45	
					Total	3.39	
					Qty Hd to	3.12	
					@ Rs 540	2.07	168541/00
							Thandavan 19/6/17
And 10	Providing flush pointing to coursed stone masonry with cement mortar 1:3 20 mm deep after raking joints to depths of 20 mm nicely finishing complete as per specification						
	Culvert H/no C1	2	6.50		0.45	5.85	
	C2	2	7.20		0.45	6.48	
						12.33	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 12·33	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C3	2	7.50		0.60	9.00	
					Total	21.33	
					Qty held to	19.50	
					@ Rs 95.00	— — —	1853.00
						Abstract ref 19/6/12	
Bill No 08.	Providing and removing, centering, shuttering, strutting propping etc and removal of formwork for ribs and soffits and beams, beams haunchings complete as per specification.						
	Qty vide P. No 356269/2 of TMB					22.95	Same
	@ Rs 261.86					— — —	6010.00
Bill No 12	Providing TMT Steel reinforcement for RCC work including Straightening, cutting bending hooking, wherever necessary as per design						
	Qty vide P. No 356270 of TMB					0.270	
	@ Rs 57333.33					— — —	40133.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
Bill No 11	Providing and laying M20 with opc cement granite metal coarse deck slab C1 C2 C3
Bill No 13	Providing, laying,

Contents 12·33 7	Reference to last Measurement 8
9.00	
21.33	
19.50	
--	1853.00
	19/6/17
ering, Shuttering	
or rider and soffits	
per specification.	
22.95 Sqm	
--	6010.00
work including	
ver necessary as per de- sign	
0.70	
--	40133.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356205

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Dno 11	Providing and laying in position Plain cement concrete of mix M20 with opc cement @ 320 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum as per Specifications						
	deck slab C1	1	6.50	1.50	0.23	2.24	
	C2	1	7.20	1.50	0.23	2.48	
	C3	1	7.50	1.50	0.23	2.59	
					total	7.31	7.31
					Qty Hd to	7.31	4494/-
				@ Rs	6147.99		45495.00
							19/6/17
Dno 13	Providing, laying, spreading and compacting graded stone						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregate to wet mix macadam specifications including pre-mixing the material with water at OMC in mechanical means complete as per specification Qty vide P.No 356272 of mB					770.40	
	@ Rs 1675.00 - - - -						1290420.00
NIO 14	Providing and applying Prime coat from 7.5 to 9.6 kg and 9.8 to 12.2 kg per 10 Sqm for surface of low and medium porosity respectively over prepared surface of granular base with cut back MC-70 complete as per specifications 7th cross Ramaiah badavane						
		1	30.00	$\frac{(5.50+5.10)}{2}$		159.00	
		1	30.00	$\frac{(5.10+4.30)}{2}$		141.00	

300-

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Chamundi Layout 1st main

ntents	Reference to last Measurement
7	8
en cluding pre- manual means	
0.40	
- -	1290420.00
to 9.6 kg and and medium granular bas filation	
.00	
.00	
0-	

M. A. R. 57 (Rule 116) **No. B** 356206
Measurement Book

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents 300-	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(4.30+4.35)}{2}$		129.75	
		1	30.00	$\frac{(4.35+4.70)}{2}$		135.75	
		1	30.00	$\frac{(4.70+5.00)}{2}$		145.50	
		1	20.00	$\frac{(5.00+5.40)}{2}$		104.00	
		1	11.60	$\frac{(5.40+5.70)}{2}$		64.38	
	Chamundi Layout pet main	1	10.00	$\frac{(7.60+6.70)}{2}$		71.50	
						950.88	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 950.88	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	20.00	$\frac{(6.70+6.30)}{2}$		130.00	
		1	30.00	$\frac{(6.30+6.40)}{2}$		190.50	
		1	30.00	$\frac{(6.40+6.70)}{2}$		196.50	
		1	30.00	$\frac{(6.70+6.60)}{2}$		199.50	
		1	30.00	$\frac{(6.60+6.30)}{2}$		193.50	
		1	30.00	$\frac{(6.30+6.50)}{2}$		192.00	
		1	30.00	$\frac{(6.50+6.40)}{2}$		193.50	
		1	30.00	$\frac{(6.40+6.50)}{2}$		193.50	
						2439.88	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Annapoorneshwari
Layout Main ro

OOK

Depth 6	Contents 950·88 7	Reference to last Measurement 8
	130.00	
	190.50	
	196.50	
	199.50	
	193.50	
	192.00	
	193.50	
	193.50	

2439·88

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356207

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 2439·88 7	Reference to last Measurement 8
		1	30.00	(6.50+6.70)/2		198.00	
		1	3.00	(6.70+6.50)/2		20.25	
	Annapoorneshwari Layout Main road	1	30.00	(6.00+6.40)/2		186.00	
		1	30.00	(6.40+6.70)/2		196.50	
		1	30.00	(6.70+6.20)/2		193.50	
		1	30.00	(6.20+6.10)/2		184.50	

3418·63

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	3418.63	
1	2	3	4	5	6	7	8
		1	19.80	(6.10+5.90)/2		118.80	
	1st road	1	20.00	(6.00+6.30)/2		123.00	
		1	11.30	(6.30+6.40)/2		71.76	
	2nd road	1	28.80	(5.00+5.50)/2		151.20	
					total	3883.39	
	deduct manhole	16	X 0.785	X 1.20	X 1.20	18.09	
	Valve	1	0.40	1.80		0.72	
					Net Qty	3860.98	
					Qty Rd to	3852.00	
					@ Rs 57.00	- - -	219564.00

Bhandari 30/6/17

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
30/6/17	Providing and laying with 100-120 TPH of 75 tonnes per h
	7th cross Ramaiah Badavane from Yogiku main road to H.No 7

CRC

OOK

h	Depth 6	Contents 3418.63 7	Reference to last Measurement 8
		118.80	
		123.00	
		71.76	
		151.20	
	Total	3883.39	
		18.09	
		41.32	
	Qty	3860.98	
	to	3852.00	
		- -	719564.00

Bhandari 30/6/17

M. A. R. 57 (Rule 119)
Measurement Book

No. B 356208

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
30/6/17	Providing and laying Semidense bituminous concrete 25mm thick with 100-120 TPH batch type HMP production an average output of 75 tonnes per hour using Crushed aggregate of specified grading premixing with complete as per specification 7th cross Ramaiah badavane from Kogilu main road to H.no 7	1	30.00	(5.50+5.10)/2	0.025	3.98	
		1	30.00	(5.10+4.30)/2	0.025	3.53	
		1	30.00	(4.30+4.35)/2	0.025	3.24	
		1	30.00	(4.35+4.70)/2	0.025	3.39	

14.14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Chamundi Layout 1st main	1	30.00	(4.70+5.00)/2	0.025	3.64	
		1	20.00	(5.00+5.40)/2	0.025	2.60	
		1	11.60	(5.40+5.70)/2	0.025	1.61	
		1	10.00	(5.6+6.70)/2	0.025	1.79	
		1	20.00	(6.70+6.30)/2	0.025	3.25	
		1	30.00	(6.30+6.40)/2	0.025	4.76	
		1	30.00	(6.40+6.70)/2	0.025	4.91	
		1	30.00	(6.70+6.60)/2	0.025	4.99	
						41.69	

C&R.C. 31/07 ಕಾ.ಅ.(ಪಾ.ವ)

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Annapoorneshwari Layou

C&R.C. 31/07 ಕಾ.ಅ.(ಪಾ.ವ)

OOK

dth	Depth 6	Contents 14.14 7	Reference to last Measurement 8
(00)	0.025	3.64	
5.40)	0.025	2.60	
5.70)	0.025	1.61	
.70)	0.025	1.79	
6.30)	0.025	3.25	
(6.40)	0.025	4.76	
6.70)	0.025	4.91	
(6.60)	0.025	4.99	
		41.69	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

356209

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 41.69 7	Reference to last Measurement 8
		1	30.00	(6.60+6.30)/2	0.025	4.84	
		1	30.00	(6.30+6.50)/2	0.025	4.80	
	C&P.C.	1	30.00	(6.50+6.40)/2	0.025	4.84	
	dt 31/07	1	30.00	(6.40+6.50)/2	0.025	4.84	
	P.W. (W.O.-2)	1	30.00	(6.50+6.70)/2	0.025	4.95	
		1	3.00	(6.70+6.80)/2	0.025	0.51	
	Annapooreshwarei Layout	1	30.00	(6.00+6.40)/2	0.025	4.65	
						71.12	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	71.12	
1	2	3	4	5	6	7	8
		1	30.00	(6.40+6.70)/2	0.025	4.91	
		1	30.00	(6.70+6.20)/2	0.025	4.84	
		1	30.00	(6.20+6.10)/2	0.025	4.61	
	1st road	1	19.80	(6.10+5.90)/2	0.025	2.97	
		1	20.00	(6.00+6.30)/2	0.025	3.08	
		1	11.30	(6.30+6.40)/2	0.025	1.79	
	2nd Road	1	28.80	(5.00+5.80)/2	0.025	3.78	
					Total	97.08	
	deduct man hole	16	0.785	1.20	1.20	0.025	0.45
							96.45

C & F.C
3/10

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	C & FC 29.35 29/7/2017	
410/16	Lead for Disposal of rates by mechanical	
	do Same as item	

OK

Depth 6	Contents 71.12 7	Reference to last Measurement 8
.025	4.91	
.025	4.84	
.025	4.61	
.025	2.97	
025	3.08	
025	1.79	
025	3.78	
	97.08	
5	0.45	
	96.45	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

356210

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 96.45. 7	Reference to last Measurement 8
		1	2.40	1.80	0.025	0.11	
	c/f FC 29.35 29/7/2017			net Qty		96.52	96.54.
				Qty Hd-to		96.30	
				@Rs	6420.00	— ..	618246.00
A10/16	Lead for Disposal of Debris shall be payable at carriage rates by mechanical means including loading as per specification						
	Qty same as item no	1				180.73	
			@Rs	72.00	—	— — —	13013.00
							28.48.952-00
						TOTAL	2855515.00

Shanduri 29/7/17

MEASUREMENT BOOK

Date	Full description, etc,. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATE :-						
	① This is certified that the Contractor done the works Satisfactorily						
	② Certified that all debrises are removal from the work place						
	③ There is no departmental issues to the contractor.						
	Accepted all the measurements with full and Final settlement regarding this Bill.						
	29/7/17						

Assistant Executive Engineer
B.B.M.P. Bangalore Rural Sub Division

Assistant Executive Engineer
Bangalore Rural Sub Division
B.B.M.P., Bangalore-24

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	1816 m
	4th cross

Assistant Executive Engineer
Bangalore Rural Sub Division

th	Contents 7	Reference to last Measurement 8
	done the works	
	ul from the	
	the contractor.	
	Accepted all the measurements with full and Final settlement regarding this Bill.	

29/7/17

M. A. R. 57 (Rule 116)
Measurement Book

No. B

356211

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

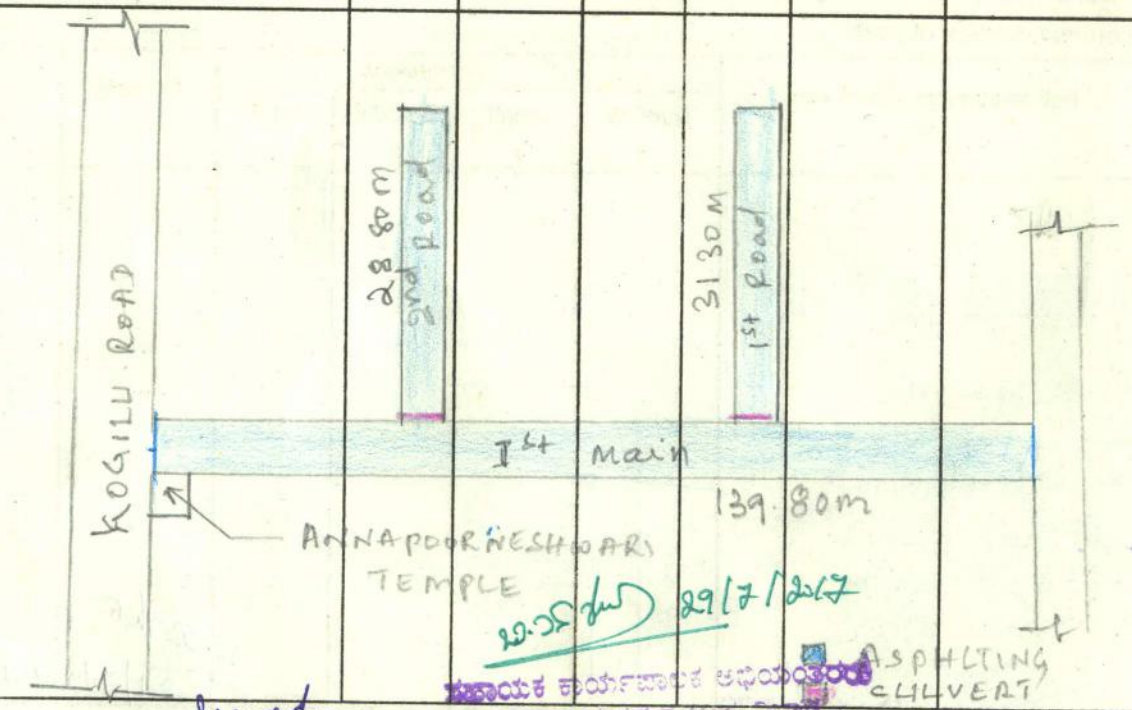
Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1816m 4th cross						N
	Kogilu circle	0					Chamundi layout
							C1

29/7/17
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



29/7/2017

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

Audited & Admitted to
Cheque Rs 26,66,
six Lakhs sixtee
hundred eight
and Rs 182334

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
	31.30 M 1st Road		
	139.80m		
	29/7/2017		
	ASPHLTING CULVERT		

ಬೆಂಗಳೂರು-24

M. A. R
Meas

No. B 356212

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Audited & Admitted to Rs 2848952-00 Cheque Rs 26,66,618-00 Rs. Twenty six Lakh sixty six thousand six hundred eighteen only. Rs. Cheque and Rs 182334-00 Rupees only. ACCTS. Supdt. Executive Engineer Bruhat Bangalore Mahanagara Palike BBMP					Total Rs: 28,48,952-00 IT - ~~28490~~ 56979- CGST - 28490-00 SGST - 28490-00 Cess - 28490-00 CBF - 2849-00 LR - 37036-00 Adj - 182334-00 Cheque: 2666618-00	